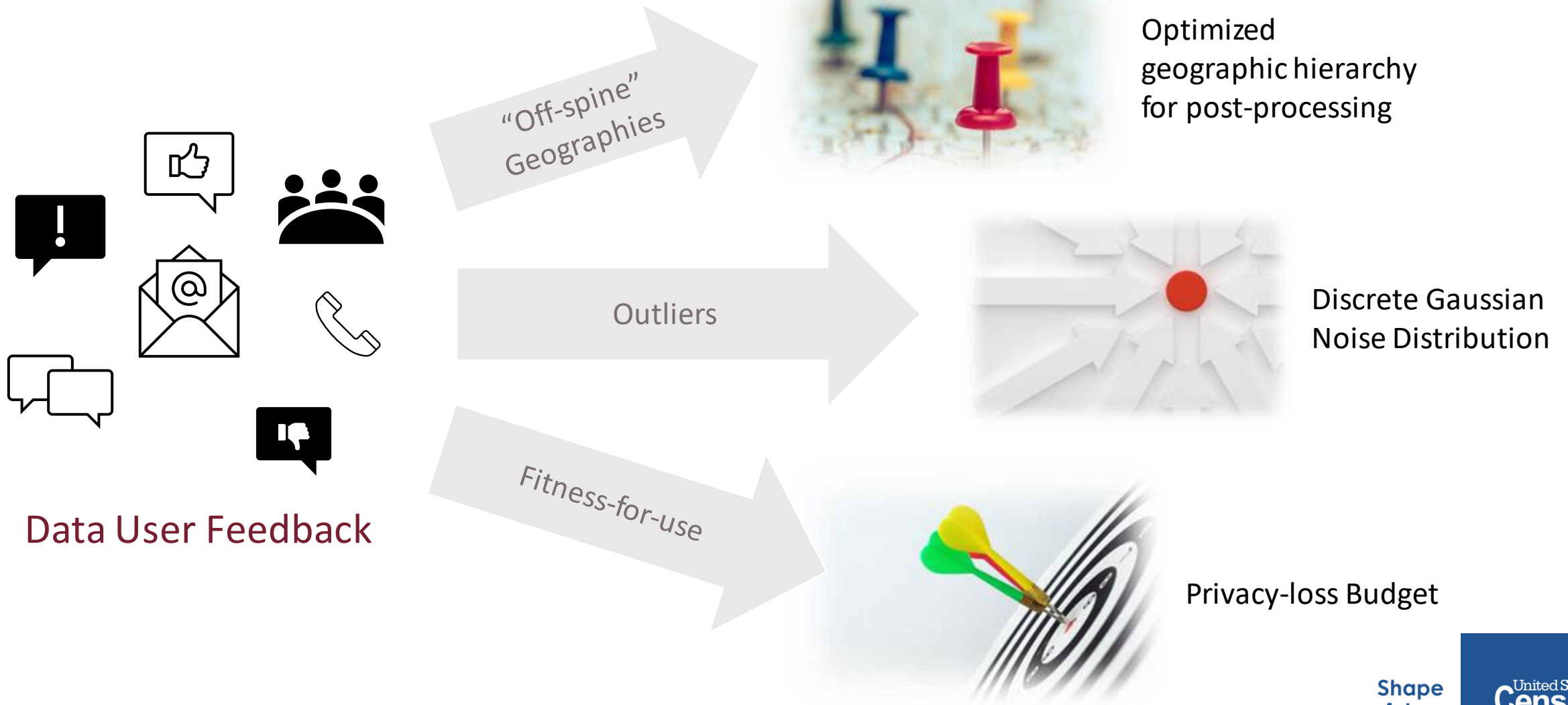


# TopDown Algorithm Improvements



Data User Feedback

# Understanding the April 2021 Demonstration Data

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**Michael Hawes**

*Senior Advisor for Data Access and Privacy*

**Matt Spence**

*Supervisory Survey Statistician*

April 30, 2021

**The views expressed in this presentation are those  
of the speakers, not the U.S. Census Bureau**

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Webinar Series:

## Understanding the 2020 Census Disclosure Avoidance System

All webinars start at **1:00 pm EDT**

No pre-registration necessary. We will post links in the “Updates” section of our website\* and in the newsletters and will archive recordings to the website.

\*Search “*Disclosure Updates*” at [www.census.gov](http://www.census.gov)

Or link: <https://www.census.gov/programs-surveys/decennial-census/decade/2020/planning-management/process/disclosure-avoidance/2020-das-updates.html>

Day	Date	Title
T	May 4	Differential Privacy 101
F	May 7	The Census Bureau's Simulated Reconstruction-Abetted Re-identification Attack on the 2010 Census
Th	May 13	Differential Privacy 201 and the TopDown Algorithm
F	May 14	Highlights of the April 2021 Detailed Summary Metrics
F	May 21	Analysis of April 2021 Demonstration Data for Redistricting and Voting Rights Act Use Cases

## How to Submit Feedback

The changes in the [April 2021 PPMFs](#) data set reflect the cumulative feedback received from the data user community throughout the development process. We look forward to feedback from data users on this [new demonstration product](#). Your input will inform the Census Bureau's June 2021 final decision on the PLB and on the 2020 Census redistricting data parameters. **The deadline to submit feedback is May 28, 2021.**

**\*\* Please send comments to [2020DAS@census.gov](mailto:2020DAS@census.gov) with the subject line "April 2021 Demonstration Data."**

Particularly useful feedback would describe:




- **Fitness-for-use:** Based on your analysis, would the data needed for your applications (redistricting, Voting Rights Act analysis, estimates, projections, funding data sets, etc.) be satisfactory?
  - How did you come to that conclusion?
  - If your analysis found the data to be unsatisfactory, how incrementally would accuracy need to change to improve the use of the data for your required or programmatic use case(s)?
  - Have you identified any improbable results in the data that would be helpful for us to understand?"
- **Privacy:** Do the proposed products present any confidentiality concerns that we should address in the DAS?
- **Improvements:** Are there improvements you've identified that you want to make sure we retain in the final design? Be specific about the geography and error metric for the proposed improvement.

## Stay Informed: Subscribe to the 2020 Census Data Products Newsletters

\*Search “Disclosure Avoidance” at [www.census.gov](http://www.census.gov)

**2020 Census Population Counts for Apportionment are Now Available**

[// Census.gov](#) > [2020 Census Research, Operational Plans, and Oversight](#) > [Process](#) > [Disclosure Avoidance Modernization](#) > [2020 Census Data Products Newsletters](#)

## 2020 Census Data Products Newsletters

Sign up for news and information about 2020 Census Data Products and the implementation of the new Disclosure Avoidance System.

**SIGN-UP FOR NEWSLETTERS**

### Past Issues:

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April 28, 2021  
**New DAS Update Meets or Exceeds Redistricting Accuracy Targets**

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April 19, 2021  
**New Demonstration Data Will Feature Higher Privacy-loss Budget**

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April 07, 2021  
**Meeting Redistricting Data Requirements: Accuracy Targets**

---

February 23, 2021  
**The Road Ahead: Upcoming Disclosure Avoidance System Milestones**

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February 09, 2021  
**New DAS Phase: Optimizing Tunable Elements**

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November 25, 2020  
**Invariants Set for 2020 Census Data Products**

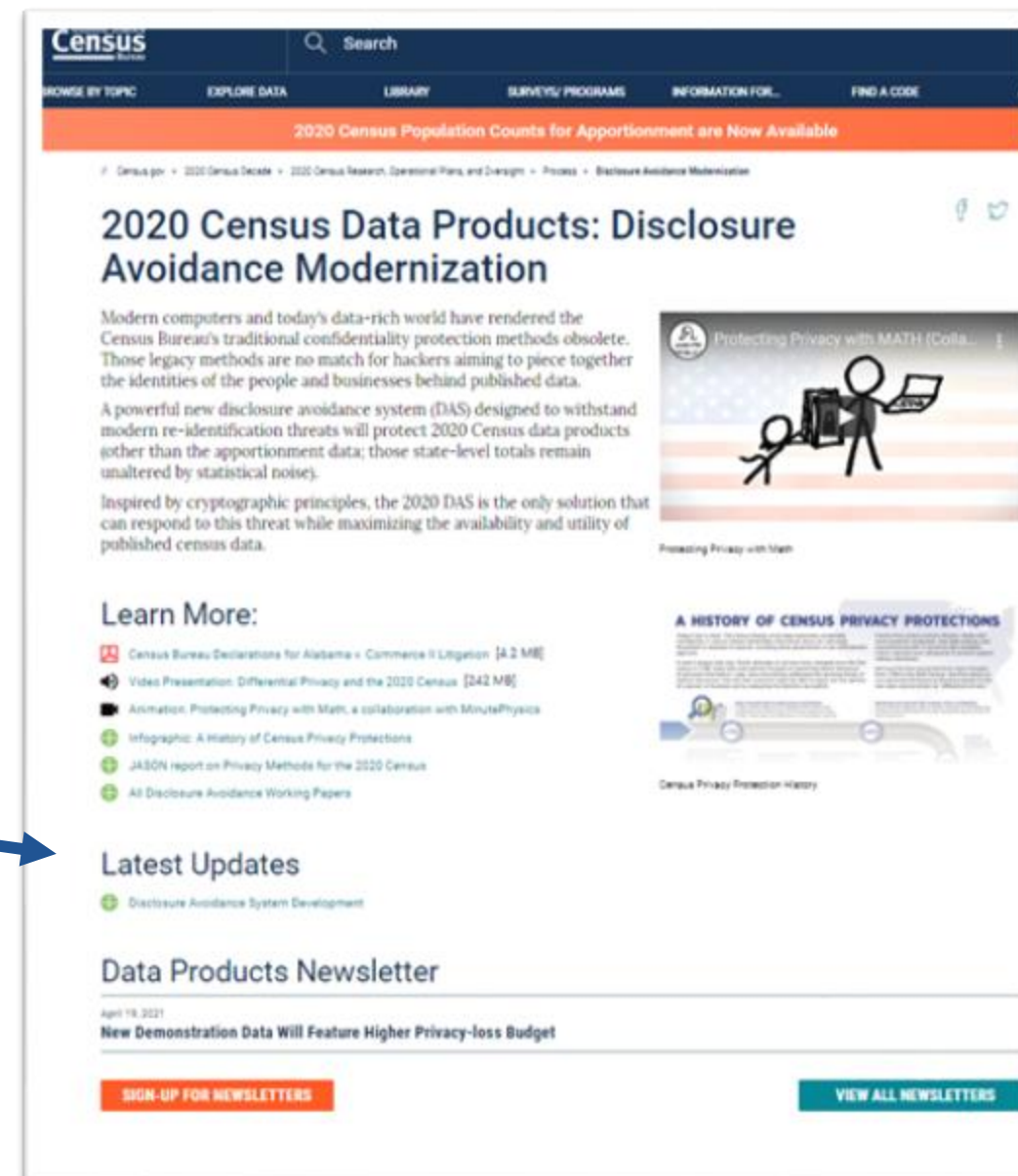
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## Latest Updates

 [Disclosure Avoidance System Development](#)

Dates and log-In information for  
webinar series  
*\*coming soon*



# Questions?

